

PROJECT DESCRIPTION

GENERAL

THE PROJECT INVOLVES REPOSITIONING THE TRAFFIC SIGNAL HEADS AND STOP LINES AT MD 28 AND WINTERGATE DRIVE IN MONTGOMERY COUNTY. THE TRAFFIC SIGNAL HEADS AND VIDEO DETECTION ZONES ALONG MD 28 WILL BE SHIFTED DUE TO WIDENING ON THE SOUTH SIDE OF MD 28. MD 28 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA FOUR - PHASE FULL TRAFFIC ACTUATED MODE. THE EXISTING TRAFFIC SIGNAL OPERATION WILL REMAIN.

CONTROLLER REQUIREMENTS

THE EXISTING GROUND MOUNTED CONTROLLER, VIDEO DETECTION CAMERAS AND ASSOCIATED INTERFACE SHALL REMAIN.

THE CONTACT PERSONS ARE AS FOLLOWS:

Mr. Lee Starkloff  
Assistant District Engineer - Traffic  
Phone: 301-513-7318

Mr. Augie Rebish  
District Utility Engineer  
Phone: 301-513-7350

Mr. Wayne A. Mowdy  
Assistant District Engineer - Maintenance  
Phone: 301-513-7304

Mr. Edward Rodenhizer  
Chief, SHA Traffic Signal Shop  
Phone: 410-787-7650

Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-7630

The Power Company Representative Is:  
PEPCO Customer Design  
201 West Gude Drive  
Rockville, MD 20850  
Phone: 301-548-4333

Mr. Kamal Hamud  
Montgomery County of Public Works  
Phone: 240-777-8795

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

CAT_CODE	QUANTITY	DESCRIPTION
NONE	NONE	NONE

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

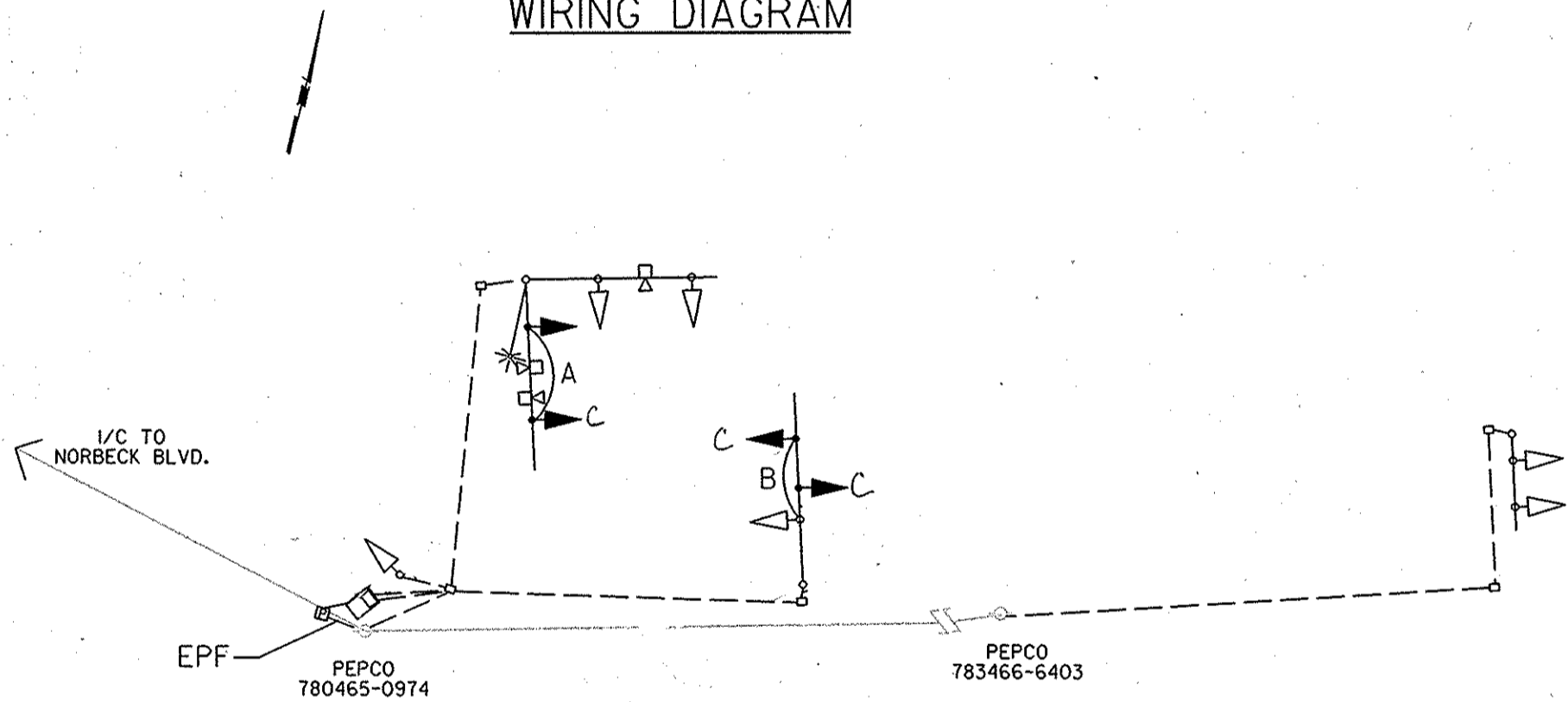
CAT_CODE	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
585424	125 LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
801706	6 SF	REMOVE SIGNS FROM EXISTING OVERHEAD STRUCTURES
813006	26.5 SF	RELOCATE SIGNS FROM EXISTING OVERHEAD STRUCTURES
860265	4 EA	RELOCATE EXISTING SIGNAL HEAD
861107	50 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)

EQUIPMENT LIST 'C'

EQUIPMENT TO BE SALVAGED AND RETURNED TO SHA

CAT_CODE	QUANTITY	DESCRIPTION
NONE	NONE	NONE

WIRING DIAGRAM



- A** - ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)  
**B** - USE EXISTING ELECTRICAL CABLE - 7 CONDUCTOR (NO.14 AWG)  
**EPF** - EXISTING POWER FEED

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	
PHASE 2 + 5	R	R	R	DARK	DARK			G	R	R	
PHASE 5 CHANGE	R	R	R	DARK	DARK			G	R	R	
PHASE 2 + 6	G	G	G	DARK	DARK	G	G	G	R	R	
PHASE 2 + 6 CHANGE	Y	Y	Y	FL/Y	FL/Y	Y	Y	Y	R	R	
PHASE 4	R	R	R	FL/Y	FL/Y	R	R	R	G	G	
PHASE 4 CHANGE	R	R	R	FL/Y	FL/Y	R	R	R	Y	Y	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	DARK	DARK	FL/Y	FL/Y	FL/Y	FL/R	FL/R	

BY: THOMPSON



STV Incorporated

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STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 28 (NORBECK ROAD) AND WINTERGATE DRIVE

GENERAL INFORMATION

SCALE NONE DATE 10/20/05 CONTRACT NO. MO6285187

DESIGNED BY MRK COUNTY MONTGOMERY  
DRAWN BY AMT LOGMILE 15002828.33  
CHECKED BY BAB T.I.M.S. NO. H082  
F.A.P. NO. TOD NO.

DRAWING NO. TS-4351A-GI

SHEET NO. 14 OF 18

PLOTTED: 12/12/2005  
FILE: I:\PROJECTS\11294\17-MD28\SIGNAL\SP02.DGN